AMENDMENTS TO THE CLAIMS

1. (Currently amended): A method in a data processing system for transferring data, the method comprising:

sending, from a requester, a request for particular data to a responder, ~~wherein~~ the request including an identification of a particular ~~includes an~~ amount of available processing space at the requester ~~data processing system,~~ said particular amount of available space capable of holding a particular amount of data; [[and]]

dividing, by said responder, said particular data into a plurality of separate distinct groups of data packets, each group of said plurality of groups of data packets capable of transferring no more than said particular amount of data;

receiving, in response to said request, one of said plurality of groups ~~a subsequence of data packets from a set of subsequences~~ of data packets ~~in response to the request~~ each time the particular amount of available processing space is free, wherein data within each one of said plurality ~~subsequence within the set~~ of groups ~~subsequences~~ of data packets fits within the particular amount of available processing space.

2. (Original): The method of claim 1, wherein the data packets are management datagrams.

3. (Currently amended): The method of claim 1, further comprising an additional group of data packets that ~~wherein a particular subsequence of data packets within the set of subsequences of data packets~~ has an amount of data less than the amount of available processing space.

4. (Currently amended): The method of claim 1, wherein a particular data packet within one of said plurality of groups ~~a subsequence~~ includes a fragment flag indicating whether the particular packet is a first data packet or a last data packet of a data transfer operation.

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5. (Currently amended): The method of claim 1, wherein a particular data packet is a last data packet within the [[set]] plurality of groups ~~of subsequences~~ of data packets.

6. (Currently amended): The method of claim 1, wherein each group ~~subsequence~~ within the plurality of groups ~~set of subsequences~~ of data packets has a different amount of data.

7. (Original): The method of claim 1, wherein the data packets includes a segment number.

8. (Original): The method of claim 1 further comprising:
reassembling data within the data packets into a correct order.

9. (Currently amended): The method of claim 8, wherein each data packet within the plurality of groups ~~set of subsequences~~ of data packets includes a segment number and wherein the data is reassembled using the segment number.

10. (Original): The method of claim 1, wherein the amount of available space is a buffer in the data processing system.

11. (Original): The method of claim 1, wherein the amount of available processing space is a buffer allocated within a memory in the data processing system.

12. (Currently amended): A method in a data processing system for transferring data, the method comprising:
receiving a request for particular data from a requestor, ~~wherein~~ the request including an identification of a particular ~~includes an~~ amount of available space in the requestor, said particular amount of available space capable of holding a particular amount of data;
identifying data using the request;
dividing ~~placing~~ the data into a plurality of separate distinct groups ~~subsequences~~

of data packets, each group of said plurality of groups of data packets capable of transferring no more than said particular amount of data; and ~~wherein each subsequence within the set of subsequences hold data in an amount less than or equal to the amount of available space; and~~

sending one of the plurality of groups ~~subsequences~~ of data packets to the requestor each time the particular amount of space becomes free.

13.   (Currently amended): The method of claim 12, wherein a first data packet and a last data packet within the plurality of groups ~~subsequences~~ of data packets includes a payload length.

14.   (Currently amended): The method of claim 12, wherein a data packet within the plurality of groups ~~subsequences~~ of data packets includes a fragment flag to indicate whether the data packet is a first data packet or a last data packet to be sent for a data transfer operation.

15.   (Currently amended): The method of claim 12, wherein the sending step comprises:

sending an unsent group ~~subsequence~~ of data packets within the plurality of groups ~~subsequences~~ of data packets to the requestor;

monitoring for a reply indicating that the amount of available space is free at the requestor; and

responsive to another unsent group ~~subsequence~~ of data packets being present within the plurality of data packets and detecting the reply, repeating the sending and monitoring steps.

16.   (Currently amended): A data processing system comprising:

a bus system;

a communications unit connected to the bus, wherein data is sent and received using the communications unit;

a memory connected to the bus system, wherein a set of instructions are located in the memory; and

a processor unit connected to the bus system, wherein the processor unit executes the set of instructions to send, from a requestor, a request for particular data to a responder, ~~wherein~~ the request including an identification of a particular ~~includes an~~ amount of available processing space at the requestor ~~data-processing-system,~~ said particular amount of available space capable of holding a particular amount of data; [[and]] divide, by said responder, said particular data into a plurality of separate distinct groups of data packets, each group of said plurality of groups of data packets capable of transferring no more than said particular amount of data; receive, in response to said request, one of said plurality of groups ~~a subsequence~~ of data packets ~~from a set of data packets in response to the request~~ each time the particular amount of available processing space is free, wherein data within each one of said plurality of groups of ~~subsequence of~~ data packets fits within the particular amount of available processing space.

17.   (Original): The data processing system of claim 16, wherein the bus system includes a primary bus and a secondary bus.

18.   (Original): The data processing system of claim 16, wherein the processor unit includes a single processor.

19.   (Original): The data processing system of claim 16, wherein the processor unit includes a plurality of processors.

20.   (Original): The data processing system claim 16, wherein the communications unit is an Ethernet adapter.

21.   (Currently amended): A data processing system comprising:
       a bus system;
       a communications unit connected to the bus, wherein data is sent and received using the communications unit;

a memory connected to the bus system, wherein a set of instructions are located in the memory; and

a processor unit connected to the bus system, wherein the processor unit executes the set of instructions to receive a request <u>for particular data</u> from a requestor, ~~wherein~~ the request includes <u>an identification of a particular</u> [[an]] amount of available space <u>in</u> <u>the requestor, said particular amount of available space capable of holding a particular</u> <u>amount of data;</u> identify data using the <u>request</u> ~~response~~; [[place]] <u>divide</u> the data into a plurality of <u>separate distinct groups</u> ~~subsequences~~ of data packets, ~~wherein~~ each <u>group of</u> <u>said plurality of groups of data packets capable of transferring no more than said</u> <u>particular amount of data;</u> ~~subsequence within the set of subsequences holds data in~~ ~~amount less than or equal to the amount of available space;~~ and send <u>one of</u> the plurality of <u>groups</u> ~~subsequences~~ of data packets to the requestor <u>each time said particular amount</u> <u>of space becomes free</u>.

22.   (Currently amended): A data processing system for transferring data, the data processing system comprising:

sending means for sending a request <u>from a requestor for particular data to a</u> <u>responder,</u> ~~wherein~~ the request <u>including an identification of a particular</u> ~~includes an~~ amount of available processing space at the <u>requestor</u> ~~data processing system,~~ <u>said</u> <u>particular amount of available space capable of holding a particular amount of data;</u> [[and]]

<u>said responder for dividing said particular data into a plurality of separate distinct</u> <u>groups of data packets, each group of said plurality of groups of data packets capable of</u> <u>transferring no more than said particular amount of data;</u>

receiving means for receiving, <u>in response to said request, one of said plurality of</u> <u>groups</u> ~~a subsequence~~ of data packets ~~from a set of subsequences of data packets in~~ ~~response to the request~~ each time the <u>particular</u> amount of available processing space is free, wherein data within each <u>one of said plurality of groups</u> ~~subsequence~~ of data packets fits within the <u>particular</u> amount of available processing space.

23.   (Original): The data processing system of claim 22, wherein the data packets are management datagrams.

24.   (Currently amended): The data processing system of claim 22, further comprising an additional group of data packets that ~~wherein a particular data packet within the set of subsequences of data packets~~ has an amount of data less than the amount of available processing space.

25.   (Currently amended): The data processing system of claim 22, wherein a particular data packet in one of said plurality of groups ~~a subsequence~~ includes a fragment flag indicating whether the particular packet is first data packet or last data packet of a data transfer operation.

26.   (Currently amended): The data processing system of claim 22, wherein the particular data packet is a last data packet within the plurality [[set]] of groups ~~subsequences~~ of data packets.

27.   (Currently amended): The data processing system of claim 22, wherein each group ~~subsequence~~ within the plurality of groups ~~set of subsequences~~ of data packets has a different amount of data.

28.   (Original): The data processing system of claim 22, wherein the data packets includes a segment number.

29.   (Original): The data processing system of claim 22 further comprising:
          reassembling means for reassembling data within the data packets into a correct order.

30.   (Currently amended): The data processing system of claim 29, wherein each data packet within the plurality of groups [[set]] of subsequences of data packets includes a segment number and wherein the data is reassembled using the segment number.

31.   (Original): The data processing system of claim 22, wherein the amount of available space is a buffer in the data processing system.

32.   (Original): The data processing system of claim 22, wherein the amount of available processing space is a buffer allocated within a memory in the data processing system.

33.   (Currently amended): A data processing system for transferring data, the data processing system comprising:

receiving means for receiving a request for particular data from a requestor, wherein the request including an identification of a particular includes-an amount of available space at the requestor, said particular amount of available space capable of holding a particular amount of data;

identifying means for identifying data using the response;

dividing means for dividing placing-means-for-placing the data into a plurality of separate distinct groups subsequences of data packets, each group of said plurality of groups of data packets capable of transferring no more than said particular amount of data; and wherein each-subsequence within the plurality of subsequences of data packets holds data in amount less than or equal to the amount of available space; and

sending means for sending one of the plurality of groups subsequences of data packets to the requestor each time the particular amount of space becomes free.

34.   (Currently amended): The data processing system of claim 33, wherein a first data packet and a last data packet within the plurality of groups subsequences of data packets includes a payload length.

35.   (Currently amended): The data processing system of claim 33, wherein a data packet within the plurality of groups subsequences of data packets includes a fragment flag to indicate whether the data packet is a first data packet or a last data packet to be sent for a data transfer operation.

36.   (Original): The data processing system of claim 33, wherein the sending step comprises:

sending means for sending an unsent data packet within the plurality of data packets to the requestor;

monitoring means for monitoring for a reply indicating that the amount of available space is free at the requestor; and

repeating means, responsive to another unsent data packet being present within the plurality of data packets and detecting the reply, for repeating initiation of the sending means and monitoring means.

37.   (Currently amended): A computer program product in a computer readable medium for use in transferring data in a data processing system, the computer program product comprising:

[[first]] instructions for sending a request <u>from a requestor for particular data to a responder,</u> ~~wherein~~ the request <u>including an identification of a particular</u> ~~includes an~~ amount of available processing space at the <u>requestor</u> ~~data processing system,~~ <u>said particular amount of available space capable of holding a particular amount of data;</u> [[and]]

<u>instructions for dividing, by said responder, said particular data into a plurality of separate distinct groups of data packets, each group of said plurality of groups of data packets capable of transferring no more than said particular amount of data;</u>

~~second~~ instructions for receiving, <u>in response to said request, one of said plurality of groups</u> ~~a subsequence~~ of data packets ~~from a set of subsequences of data packets in response to the request~~ each time the <u>particular</u> amount of available processing space is free, wherein data within each <u>one of said plurality of groups</u> ~~subsequence~~ of data packets fits within the <u>particular</u> amount of available processing space.

38.   (Currently amended): A computer program product in a computer readable medium for transferring data in a data processing system, the computer program product comprising:

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first instructions for receiving a request <u>for particular data</u> from a requestor, ~~wherein~~ the request <u>including an identification of a particular</u> ~~includes an~~ amount of available space <u>in the requestor, said particular amount of available space capable of holding a particular amount of data</u>;

second instructions for identifying data using the response;

third instructions for <u>dividing</u> ~~placing~~ the data into a plurality of <u>groups</u> ~~subsequences~~ of data packets, <u>each group of said plurality of separate distinct groups of data packets capable of transferring no more than said particular amount of data</u>; ~~wherein each subsequence within the set of subsequences holds data in amount less than or equal to the amount of available space~~; and

fourth instructions for sending <u>one of</u> the plurality of <u>groups</u> ~~subsequences~~ of data packets to the requestor <u>each time said particular amount of space becomes free</u>.